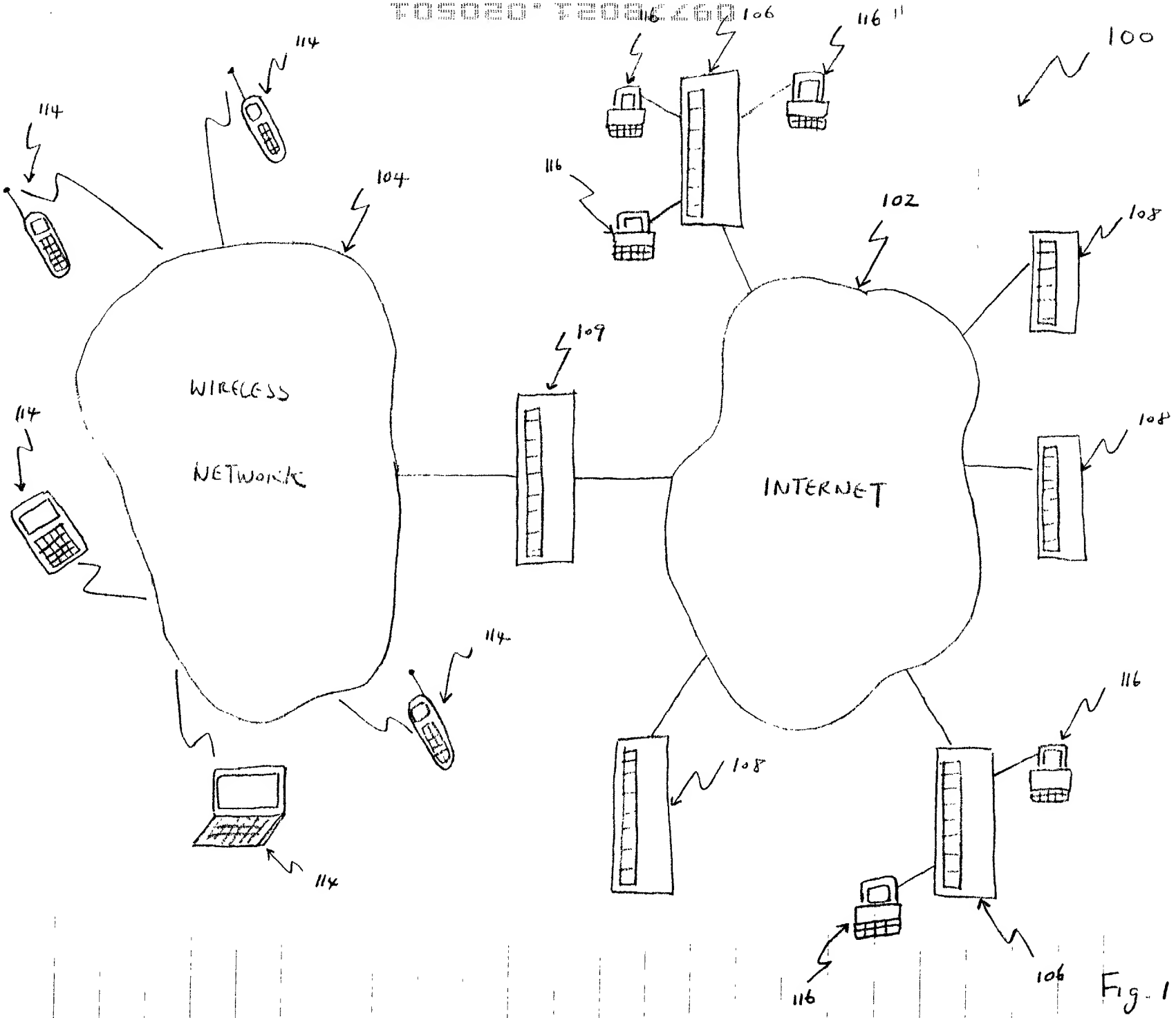
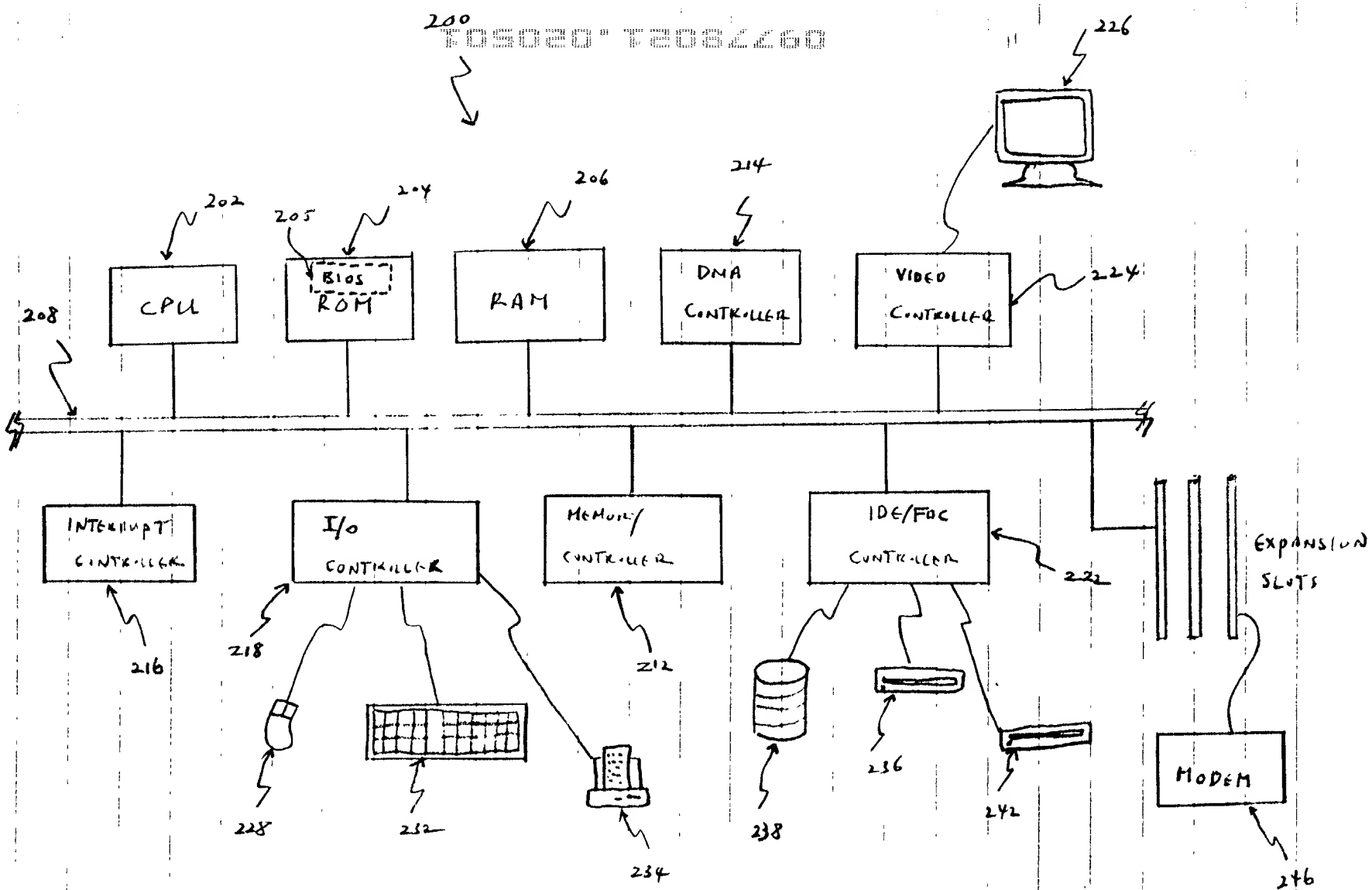


Fig. 1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202
205
204
206
214
CPU
BIOS ROM
RAM
DMA CONTROLLER
VIDEO CONTROLLER
224
208
INTERRUPT CONTROLLER
I/O CONTROLLER
MEMORY CONTROLLER
IDE/FDC CONTROLLER
222
EXPANSION SLOTS
216
218
212
228
232
234
238
236
242
MODEM
246

Fig. 2

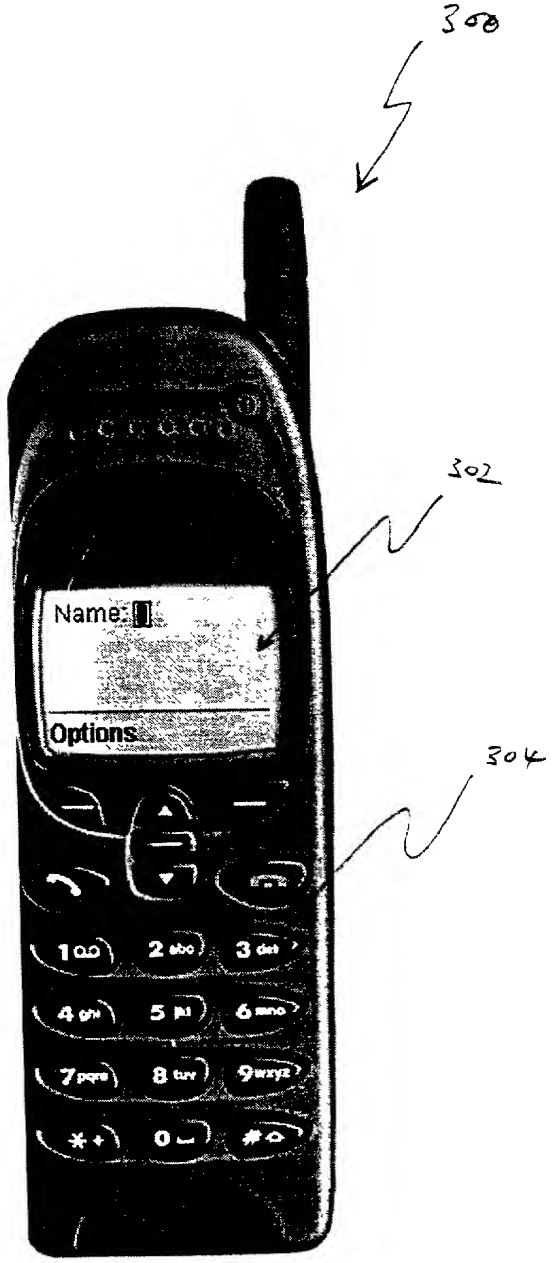
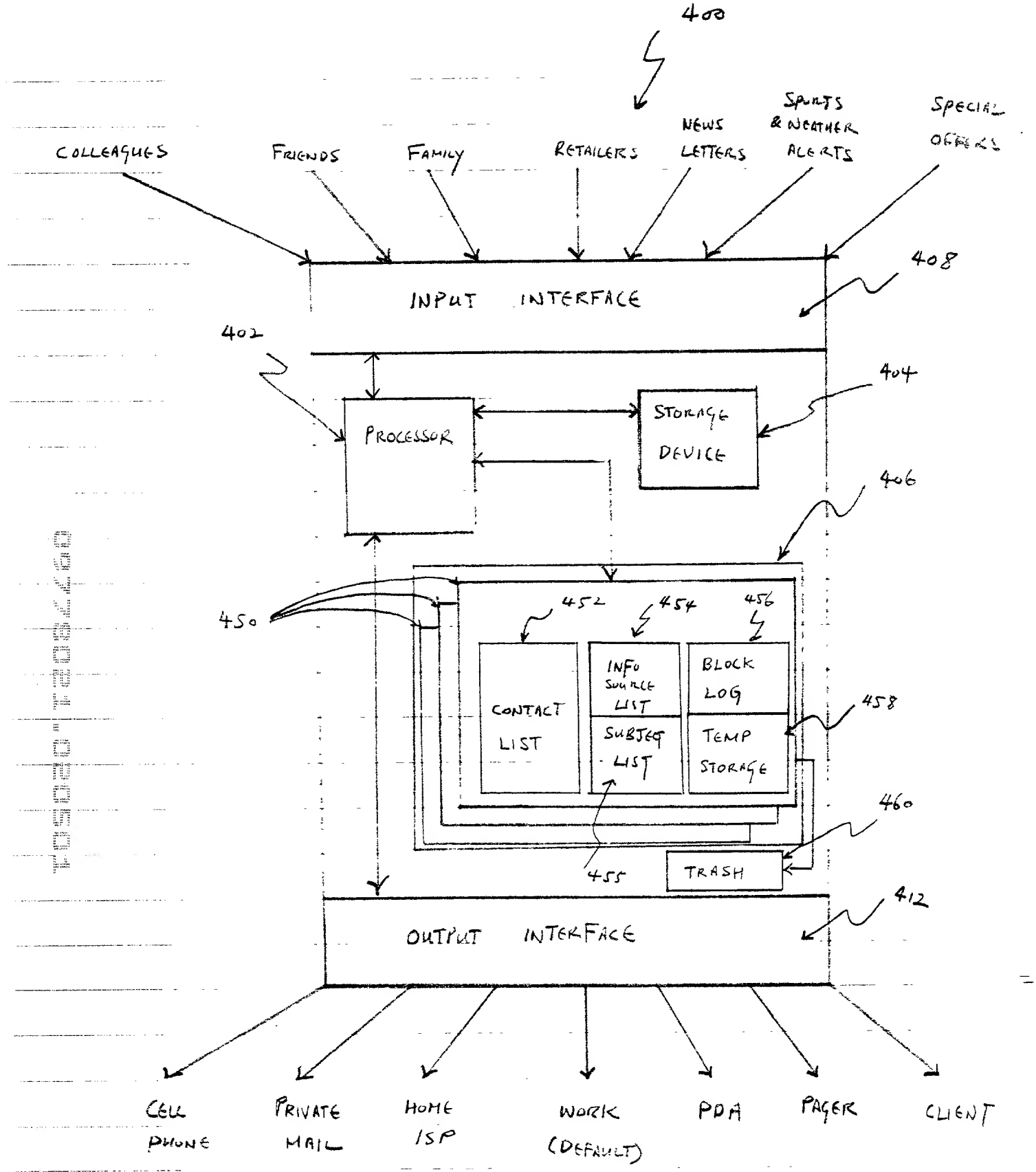


Fig 3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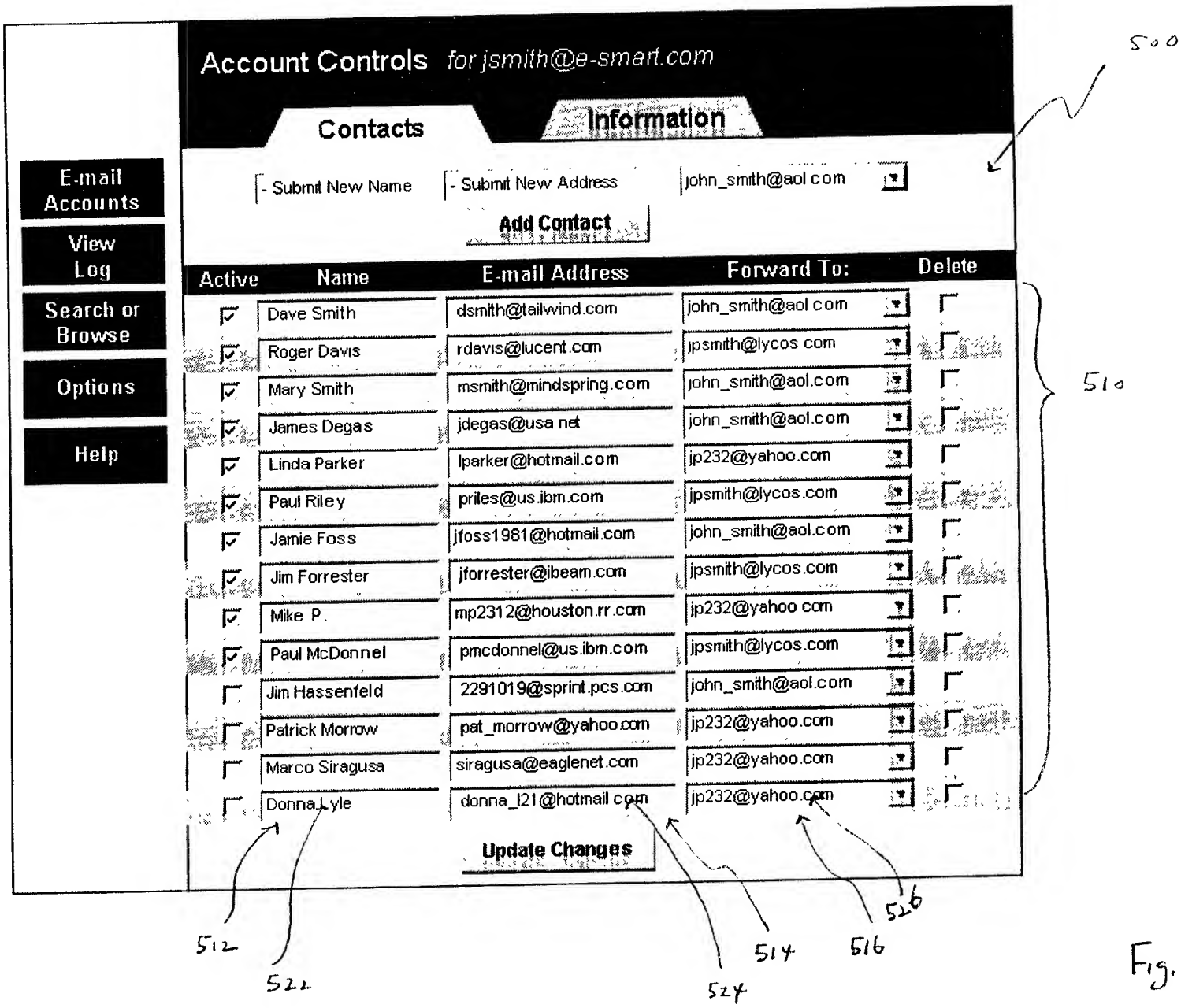
COLLEAGUES
FRIENDS
FAMILY
RETAILERS
NEWS LETTERS
SPORTS & WEATHER ALERTS
SPECIAL OFFERS
INPUT INTERFACE
408
402
PROCESSOR
STORAGE DEVICE
404
406
450
452
454
456
CONTACT LIST
INFO SOURCE LIST
BLOCK LOG
SUBJECT LIST
TEMP STORAGE
458
460
455
TRASH
OUTPUT INTERFACE
412
CELL PHONE
PRIVATE MAIL
HOME ISP
WORK (DEFAULT)
PDA
PAGER
CLIENT

Fig 4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Contacts
Information
E-mail Accounts
View Log
Search or Browse
Options
Help
- Submit New Name
- Submit New Address
john_smith@aol.com
Add Contact
Active
Name
E-mail Address
Forward To:
Delete
Dave Smith dsmith@tailwind.com john_smith@aol.com
Roger Davis rdavis@lucent.com jpsmith@lycos.com
Mary Smith msmith@mindspring.com john_smith@aol.com
James Degas jdegas@usa.net john_smith@aol.com
Linda Parker lparker@hotmail.com jp232@yahoo.com
Paul Riley priles@us.ibm.com jpsmith@lycos.com
Jamie Foss jfoss1981@hotmail.com john_smith@aol.com
Jim Forrester jforrester@ibeam.com jpsmith@lycos.com
Mike P. mp2312@houston.rr.com jp232@yahoo.com
Paul McDonnel pmcdonnel@us.ibm.com jpsmith@lycos.com
Jim Hassenfeld 2291019@sprint.pcs.com john_smith@aol.com
Patrick Morrow pat_morrow@yahoo.com jp232@yahoo.com
Marco Siragusa siragusa@eaglenet.com jp232@yahoo.com
Donna Lyle donna_l21@hotmail.com jp232@yahoo.com
Update Changes
500
510
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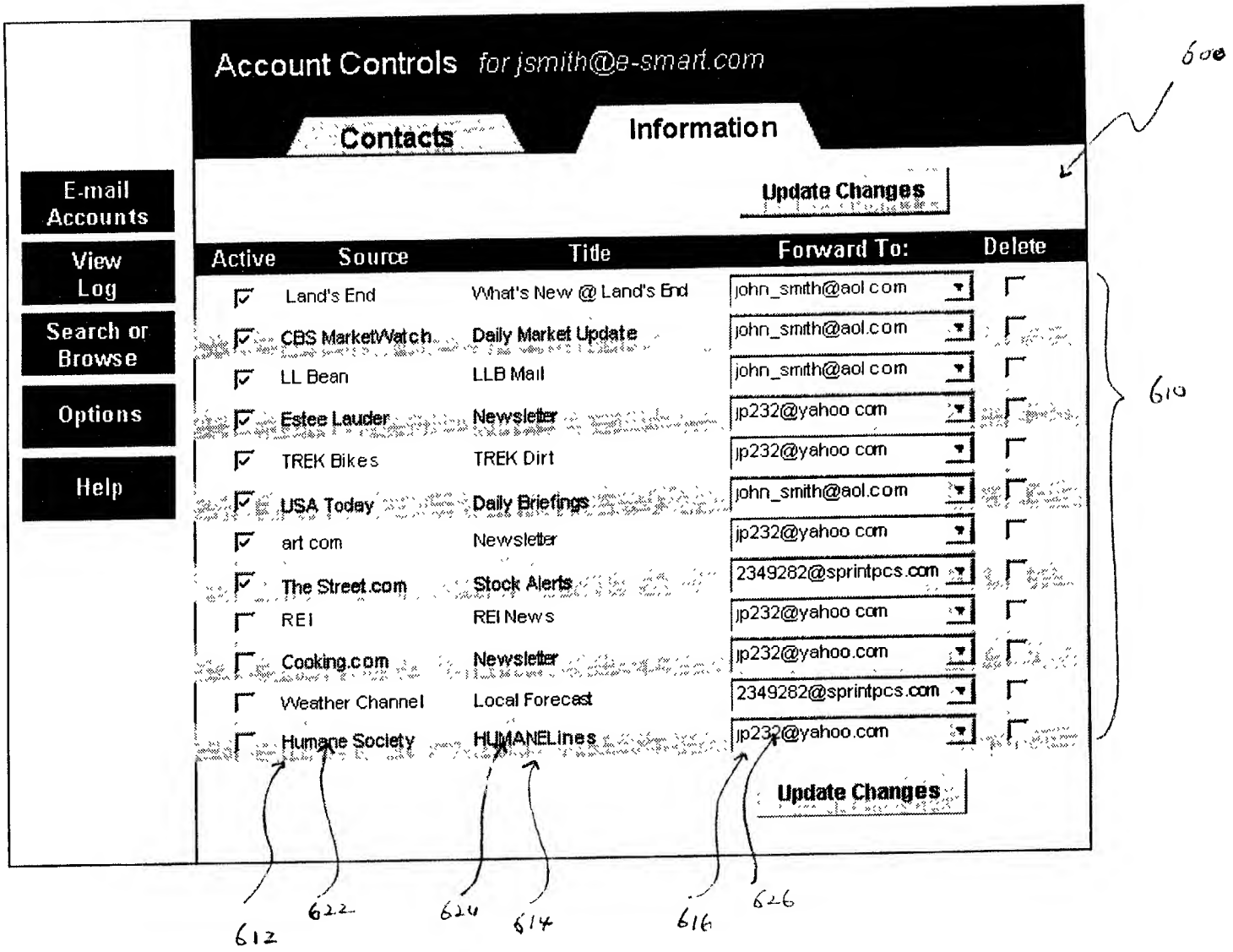
516
526

Fig. 5


Account Controls for jsmith@e-smart.com
Contacts
Information
E-mail Accounts
View Log
Search or Browse
Options
Help
Update Changes
Active
Source
Title
Forward To:
Delete
Land's End
What's New @ Land's End
john_smith@aol.com
CBS MarketWatch
Daily Market Update
john_smith@aol.com
LL Bean
LLB Mail
john_smith@aol.com
Estee Lauder
Newsletter
jp232@yahoo.com
TREK Bikes
TREK Dirt
jp232@yahoo.com
USA Today
Daily Briefings
john_smith@aol.com
art.com
Newsletter
jp232@yahoo.com
The Street.com
Stock Alerts
2349282@sprintpcs.com
REI
REI News
jp232@yahoo.com
Cooking.com
Newsletter
jp232@yahoo.com
Weather Channel
Local Forecast
2349282@sprintpcs.com
Humane Society
HUMANELines
jp232@yahoo.com
Update Changes
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616
626

Fig. 6

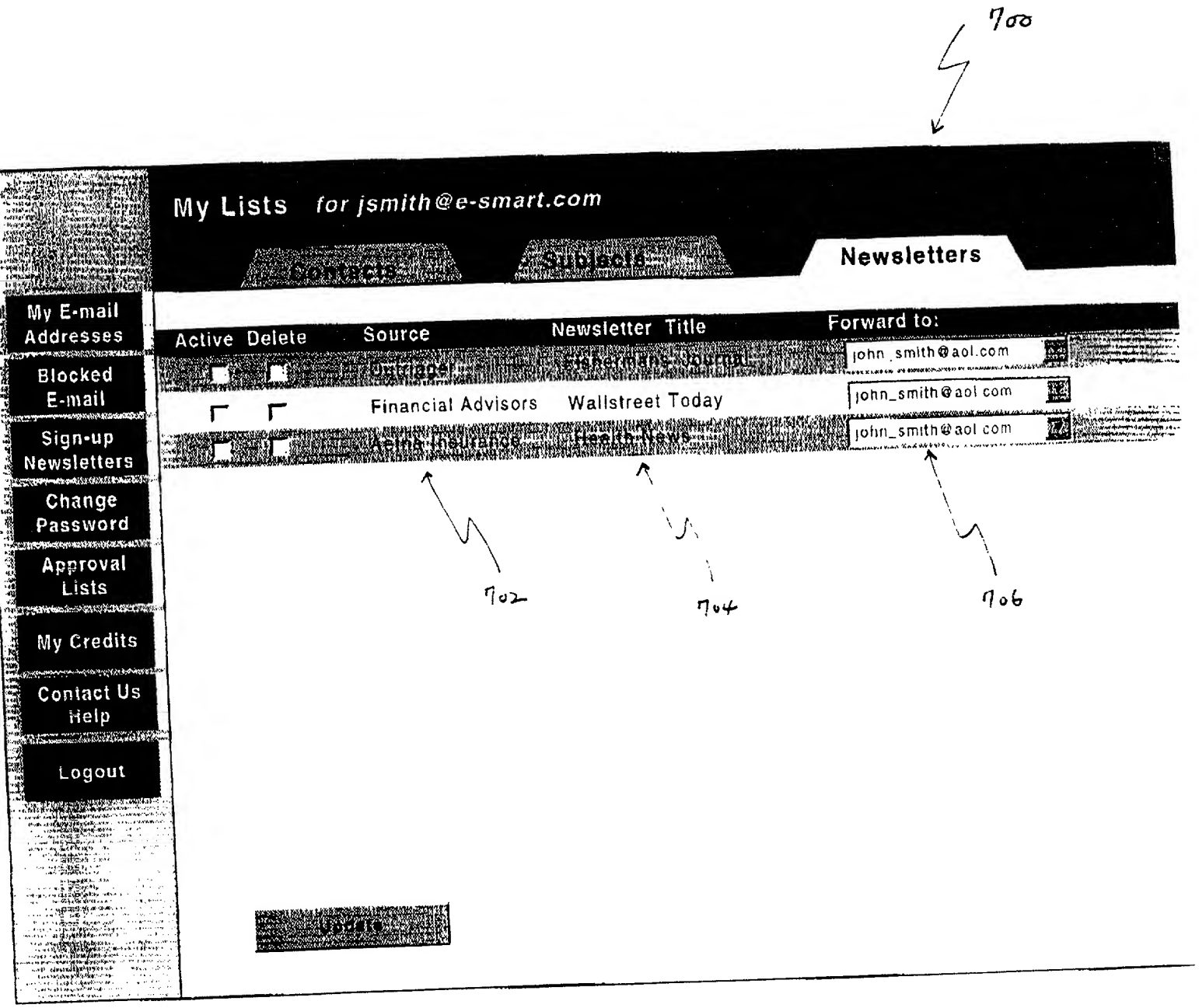

700
My Lists for jsmith@e-smart.com
Contacts
Subjects
Newsletters
My E-mail Addresses
Blocked E-mail
Sign-up Newsletters
Change Password
Approval Lists
My Credits
Contact Us Help
Logout
Active Delete
Source
Newsletter Title
Forward to:
Fishermans Journal
john_smith@aol.com
Financial Advisors
Wallstreet Today
john_smith@aol.com
Aetna Insurance
Health News
john_smith@aol.com
Update
702
704
706

Fig 7

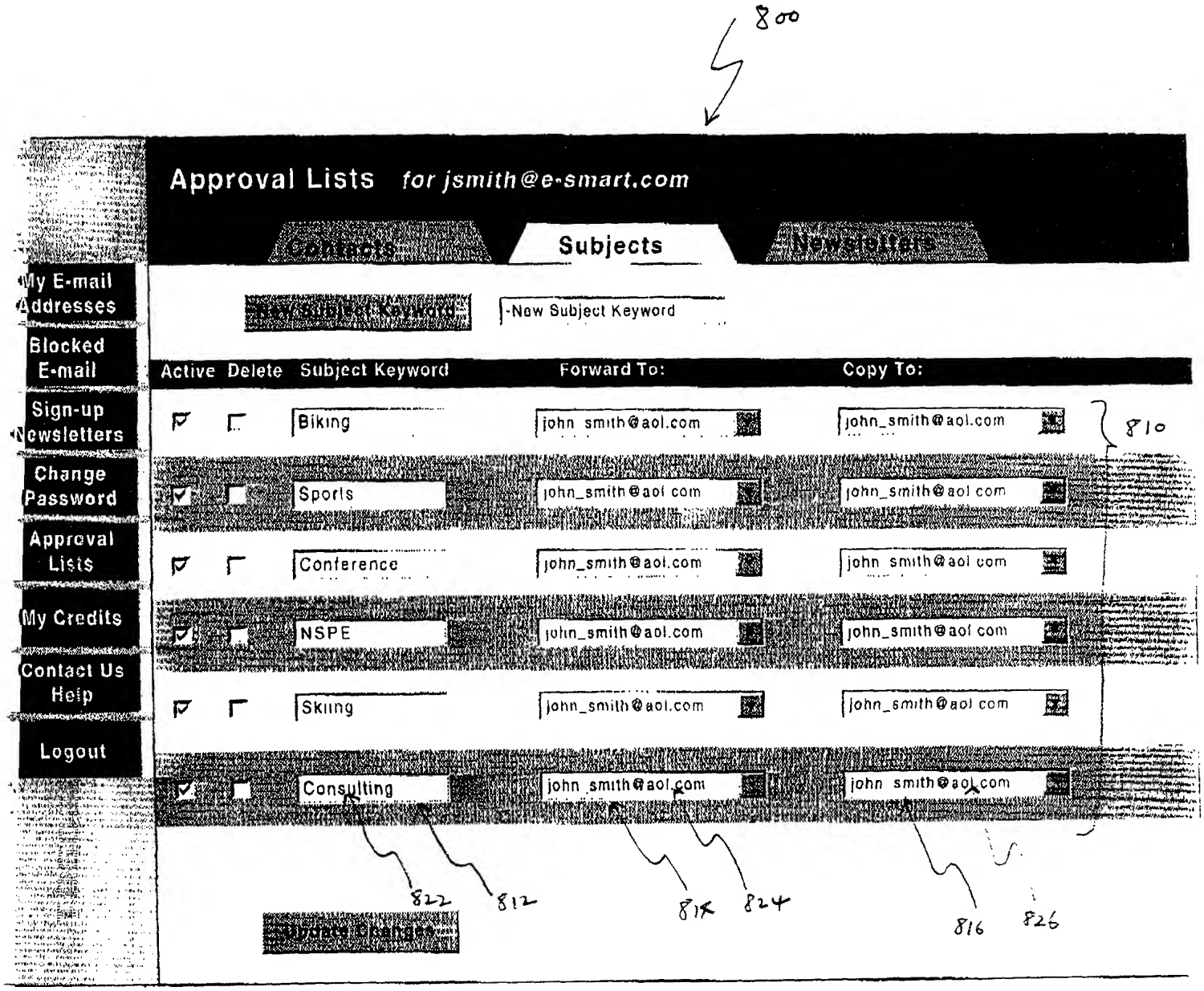

800
Approval Lists for jsmith@e-smart.com
Contacts
Subjects
Newsletters
My E-mail Addresses
Blocked E-mail
Sign-up Newsletters
Change Password
Approval Lists
My Credits
Contact Us Help
Logout
New Subject Keyword
-New Subject Keyword
Active
Delete
Subject Keyword
Forward To:
Copy To:
Biking
john_smith@aol.com
Sports
Conference
NSPE
Skiing
Consulting
Update Changes
810
822
812
818
824
816
826

Fig 8

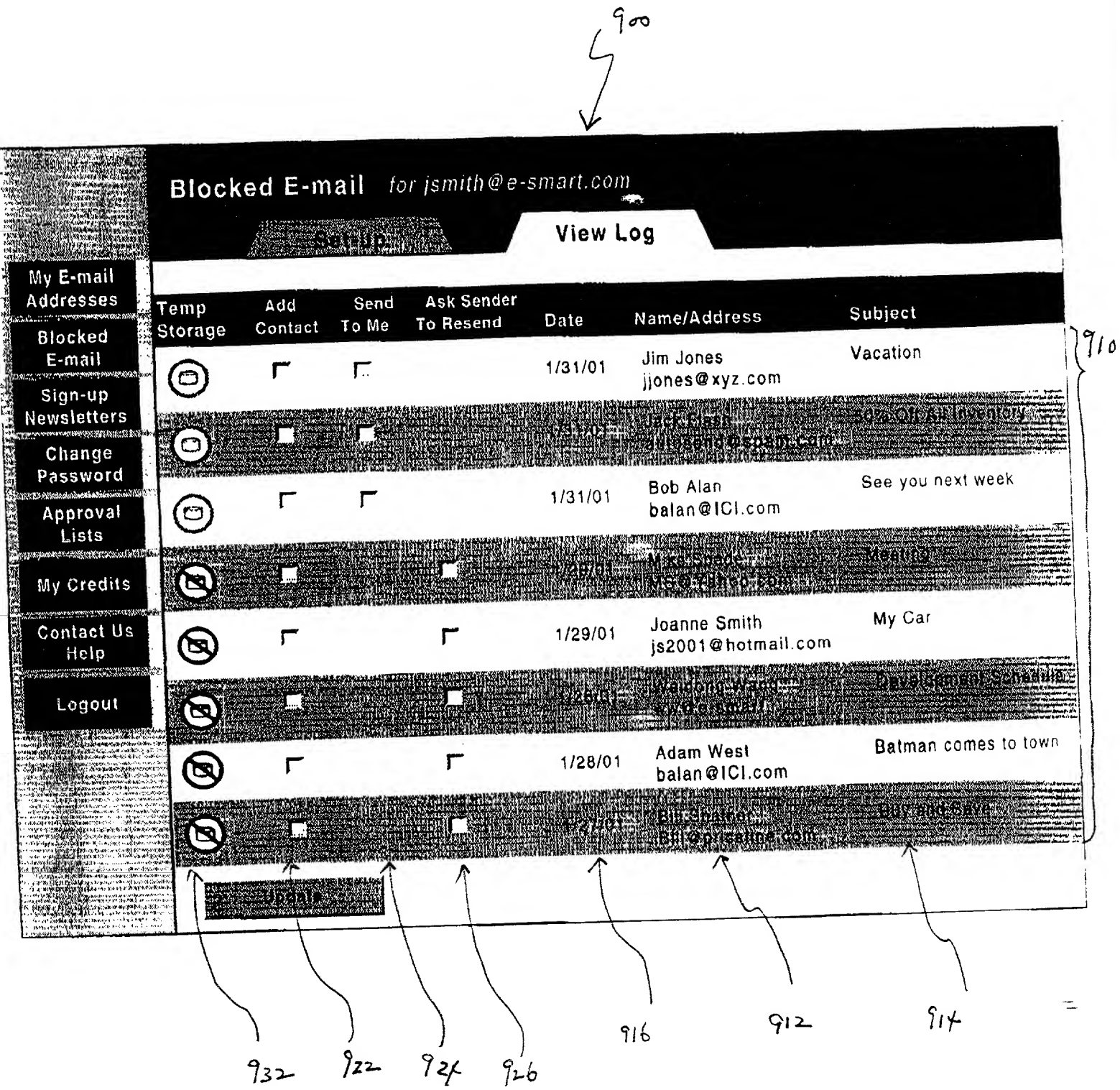

900
Blocked E-mail for jsmith@e-smart.com
Set-up
View Log
My E-mail Addresses
Blocked E-mail
Sign-up Newsletters
Change Password
Approval Lists
My Credits
Contact Us Help
Logout
Temp Storage
Add Contact
Send To Me
Ask Sender To Resend
Date
Name/Address
Subject
1/31/01
Jim Jones
jjones@xyz.com
Vacation
1/31/01
Bob Alan
balan@ICI.com
See you next week
1/29/01
Joanne Smith
js2001@hotmail.com
My Car
1/28/01
Adam West
balan@ICI.com
Batman comes to town
Update
910
932
922
924
926
916
912
914

Fig 9

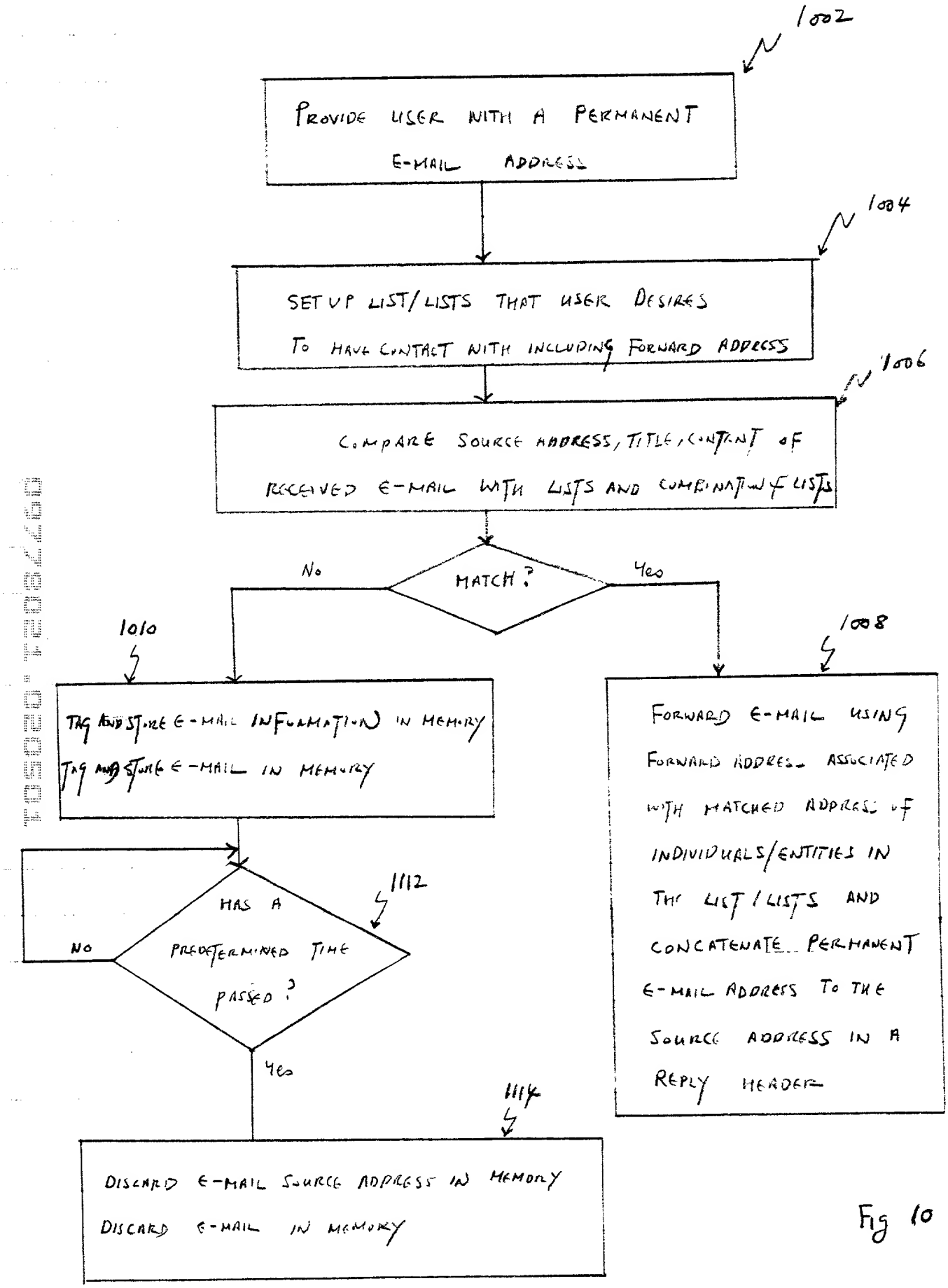
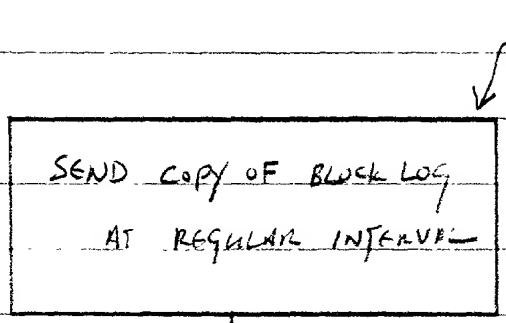
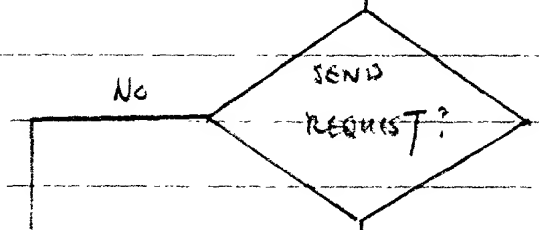
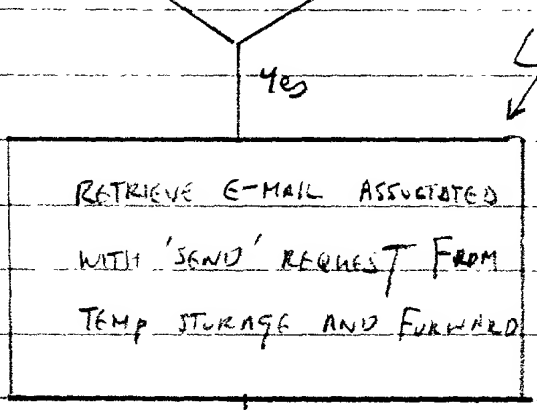
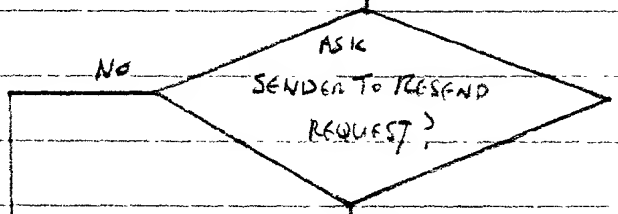

1002
PROVIDE USER WITH A PERMANENT E-MAIL ADDRESS
1004
SET UP LIST/LISTS THAT USER DESIRES TO HAVE CONTACT WITH INCLUDING FORWARD ADDRESS
1006
COMPARE SOURCE ADDRESS, TITLE, CONTENT OF RECEIVED E-MAIL WITH LISTS AND COMBINATION OF LISTS
MATCH?
No
Yes
1010
TAG AND STORE E-MAIL INFORMATION IN MEMORY
TAG AND STORE E-MAIL IN MEMORY
1008
FORWARD E-MAIL USING FORWARD ADDRESS ASSOCIATED WITH MATCHED ADDRESS OF INDIVIDUALS/ENTITIES IN THE LIST/LISTS AND CONCATENATE PERMANENT E-MAIL ADDRESS TO THE SOURCE ADDRESS IN A REPLY HEADER
1112
HAS A PREDETERMINED TIME PASSED?
No
Yes
1114
DISCARD E-MAIL SOURCE ADDRESS IN MEMORY
DISCARD E-MAIL IN MEMORY

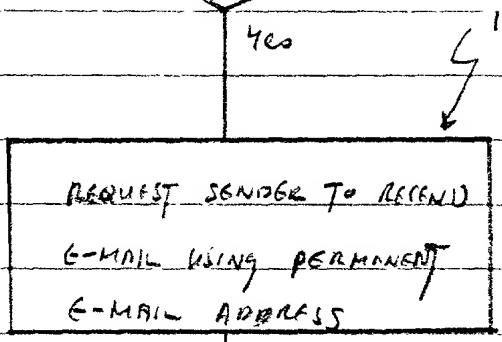
Fig 10


1111
SEND COPY OF BLOCK LOG AT REGULAR INTERVAL


SEND REQUEST?
No
Yes


1112
RETRIEVE E-MAIL ASSOCIATED WITH 'SEND' REQUEST FROM TEMP STORAGE AND FORWARD


ASK SENDER TO RESEND REQUEST?
No
Yes


1114
REQUEST SENDER TO RESEND E-MAIL USING PERMANENT E-MAIL ADDRESS

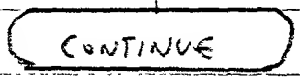

CONTINUE

Fig. 11